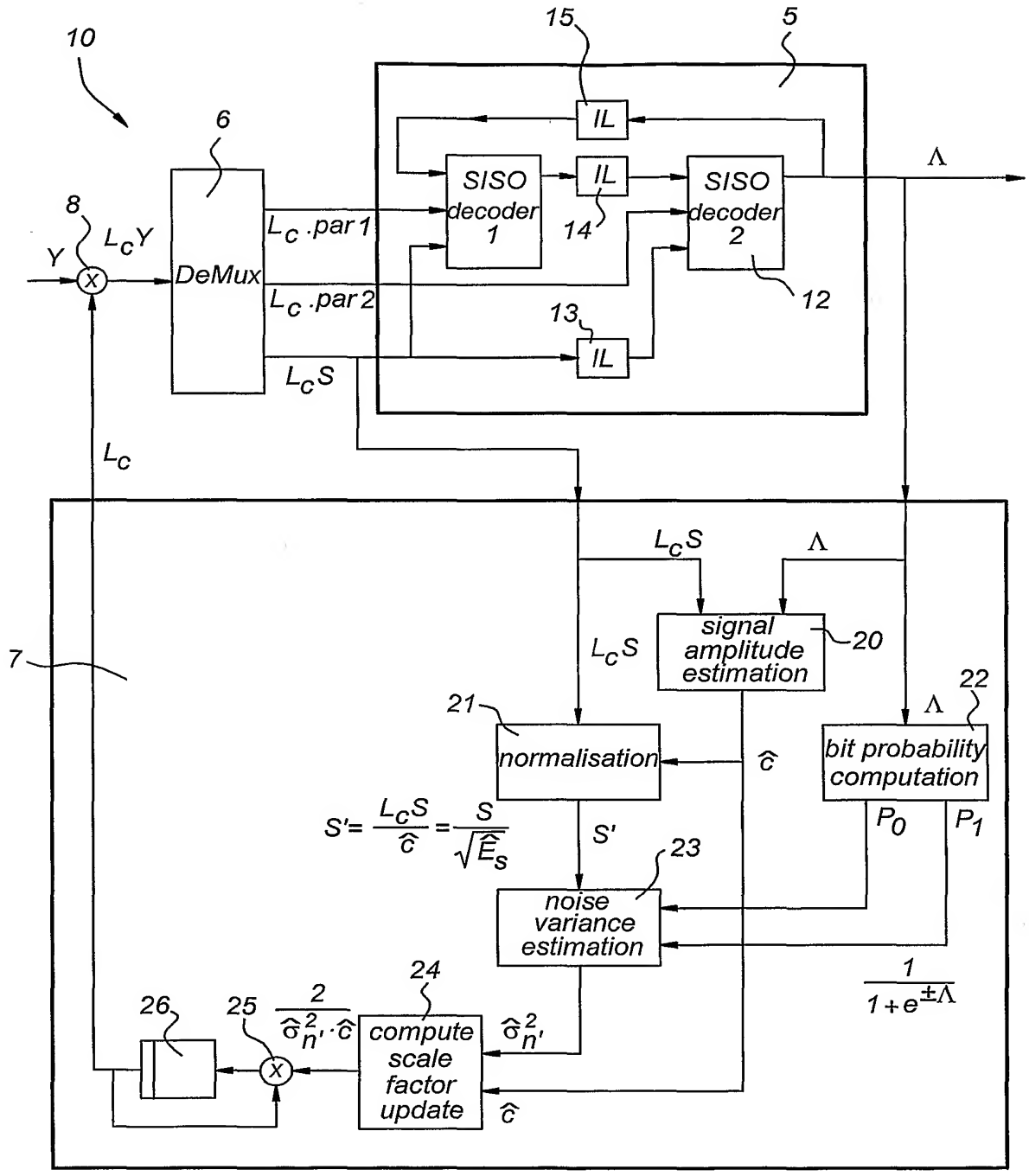
10
15
5
6
IL
SISO decoder 1
IL
SISO decoder 2
Λ
8
L_cY
Y
DeMux
L_c .par 1
L_c .par 2
L_cS
14
12
13
IL
L_c
7
L_cS
Λ
L_cS
signal amplitude estimation
20
21
22
Λ
normalisation
$\hat{c}$
bit probability computation
$S' = \frac{L_cS}{\hat{c}} = \frac{S}{\sqrt{\hat{E}_s}}$
S'
P_0
P_1
23
noise variance estimation
24
$\frac{1}{1+e^{\pm\Lambda}}$
26
25
$\frac{2}{\hat{\sigma}^2_{n'} \cdot \hat{c}}$
compute scale factor update
$\hat{\sigma}^2_{n'}$
$\hat{c}$